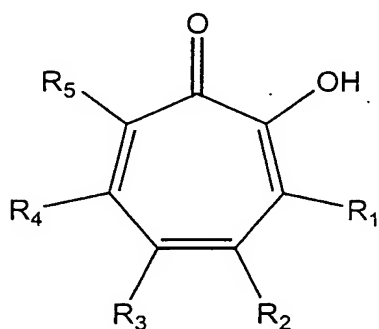


What is Claimed is:

1. An oral care composition comprising:

(a) an oral care effective amount of at least one compound of Formula

5 (I)



wherein R₁, R₂, R₃, R₄, and R₅ are each independently selected from the group
10 consisting of hydrogen, hydroxy, an alkyl group, a hydroxyalkyl group, an alkoxyalkyl
group, an alkylene group, an alkenylene group, an alkaryl group, an alkycycloalkyl
group, an alkoxy group, an alkenyl group, an alkynyl group, an aryl group, a
cycloalkyl group, a cycloalkenyl group, an aliphatic group optionally substituted with
1 to 3 halogens, an aromatic group optionally substituted with 1 to 3 halogens, and a
15 carbonyl group, and pharmaceutically acceptable salts thereof;

(b) at least one essential oil; and

(c) a pharmaceutically acceptable oral carrier.

2. The compound of claim 1 wherein the alkyl group has 1 to 6 carbon atoms, the hydroxyalkyl group has 1 to 6 carbon atoms and the alkoxy portion and the alkyl portion of the alkoxyalkyl group each have 1 to 6 carbon atoms.

5 3. The oral care composition of claim 1 wherein the oral effective amount of the compound of Formula (I) is from about 0.001% to 10% by weight based on the total weight of the oral care composition.

4. The oral care composition of claim 3 wherein the oral effective amount
10 of the compound of Formula (I) is from about 0.01% to 5.0% by weight.

5. The oral care composition of claim 4 wherein the oral effective amount of the compound of Formula (I) is from about 0.1% to 2.0% by weight.

15 6. The oral care composition of claim 1 wherein the at least one essential oil selected from the group consisting of thymol, menthol, methyl salicylate (wintergreen oil), eucalyptol, carvacrol, camphor, anethole, carvone, eugenol, isoeugenol, limonene, osimen, n-decyl alcohol, citronel, a-salpineol, methyl acetate, citronellyl acetate, methyl eugenol, cineol, linalool, ethyl linalool, safrola vanillin,
20 spearmint oil, peppermint oil, lemon oil, orange oil, sage oil, rosemary oil, cinnamon oil, pimento oil, laurel oil, cedar leaf oil, gerianol, verbenone, anise oil, bay oil, benzaldehyde, bergamot oil, bitter almond, chlorothymol, cinnamic aldehyde, citronella oil, clove oil, coal tar, eucalyptus oil, guaiacol, lavender oil, mustard oil,

phenol, phenyl salicylate, pine oil, pine needle oil, sassafras oil, spike lavender oil, storax, thyme oil, tolu balsam, turpentine oil, clove oil and combinations thereof.

7. The oral care composition of claim 6 wherein the at least one essential
5 oil selected from the group consisting of thymol, eucalyptol, menthol, and methyl salicylate.

8. The oral care composition of claim 7 wherein the oral care effective
amount of thymol is from about 0.001% to 2.0% by weight based on the total weight
10 of the oral care composition.

9. The oral care composition of claim 8 wherein the oral care effective
amount of thymol is from about 0.01% to 0.6% by weight.

15 10. The oral care compositions of claim 9 wherein the oral care effective
amount of thymol is from about 0.02% to 0.5% by weight.

11. The oral care composition of claim 7 wherein the oral care effective
amount of eucalyptol is from about 0.001% to 2.0% by weight based on the total
20 weight of the oral care composition.

12. The oral care composition of claim 11 wherein the oral care effective
amount of eucalyptol is from about 0.005% to 0.5% by weight.

13. The oral care composition of claim 12 wherein the oral care effective amount of eucalyptol is from about 0.007% to 0.4% by weight.

5 14. The oral care composition of claim 7 wherein the oral care effective amount of methyl salicylate is from about 0.001% to 2.0% by weight based on the total weight of the oral care composition.

15 15. The oral care composition of claim 14 wherein the oral care effective amount of methyl salicylate is from about 0.004% to 0.6% by weight.

16. The oral care composition of claim 15 wherein the oral care effective amount of methyl salicylate is from about 0.01% to 0.6% by weight.

15 17. The oral care composition of claim 7 wherein the oral care effective amount of menthol is from about 0.001% to 2.0% by weight based on the total weight of the oral care composition.

20 18. The oral care composition of claim 17 wherein the oral care effective amount of menthol is from about 0.01% to 0.7% by weight.

19. The oral care composition of claim 18 wherein the oral care effective amount of menthol is from about 0.01% to 0.6% by weight.

20. The oral care composition of claim 1 wherein the at least one compound of Formula (I) is selected from the group consisting of 4-methyl-7-hydroxymethyltropolone, 4-methyl-7-methoxymethyltropolone, 4,7-dimethyltropolone, 5 7-methyl-4-isopropyltropolone, 7-hexyl-4-isopropyltropolone, 4-t-butyltropolone, 5-t-butyltropolone, 4-isopropyltropolone, 4-methyltropolone, 7-methoxymethyl-4-isopropyltropolone, 7-hexloxyethyl-4-isopropyltropolone and combinations thereof.

21. The composition of claim 1 wherein the oral care effective amount of at least one essential oil is from about 0.001% to 8.0% by weight based on the total weight of the oral care composition.

22. The composition of claim 7 wherein the oral care effective amount of the at least one essential oil comprises 0.064% by weight of thymol, 0.092% by weight of eucalyptol, 0.060% by weight of methyl salicylate, and 0.042% by weight of menthol, each based on the total weight of the oral care composition.

23. The composition of claim 1 further comprising an alcohol in an amount of from about 0.01% to 70% by weight based on the total weight of the oral care composition.

24. The composition of claim 23 wherein the amount of alcohol is from about 0.1% to 30% by weight.

25. The composition of claim 24 wherein the alcohol is ethanol.

26. The composition of claim 7 wherein the oral care effective amount of
5 the compound of Formula (I) is from about 0.03% to 2% by weight based on the total
weight of the oral care composition, and of the at least one essential oil is 0.064% by
weight of thymol, 0.092% by weight of eucalyptol, 0.060% by weight of methyl
salicylate, and 0.042% by weight of menthol, each based on the total weight of the
oral care composition.

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27. The oral care composition of claim 1 wherein the amount of the at least
one essential oil is from about 0.001% to 8% by weight based on the total weight of
the oral care composition.

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28. A method for treating or preventing diseases or conditions of the oral
cavity in warm-blooded animals including humans, comprising applying an oral care
effective amount of the composition of claim 1 to the oral cavity.

20

29. The method of claim 27 comprising applying the composition of claim 1
in a form selected from the group consisting of toothpastes, mouthwashes, gels,
tooth powders, film forming dentifrices, chewing gums, mouth sprays and lozenges.